a passenger monitoring assembly;

an environment monitoring assembly; and

an information visualization assembly;

wherein the display assembly is adapted to display variable images on a screen integrated in the aircraft cabin window;

wherein the passenger monitoring assembly is adapted to detect a direction in which a passenger is one of looking and pointing through the aircraft cabin window;

wherein the environment monitoring assembly is adapted to detect a representation of an environment outside the aircraft cabin window; and

wherein the information visualization assembly is adapted to visualize information on the screen at specific locations selected based on the representation acquired by the environment monitoring assembly and the direction detected by the passenger monitoring assembly.

2. The system according to claim 1, wherein the information visualization assembly is adapted to visualize information on the screen with respect to objects to which the passenger is one of looking and pointing, respectively.

3. The system according to claim 1, wherein the passenger monitoring assembly is adapted to track a direction in which the eyes of the passenger are directed.

4. The system according to claim 1, wherein the screen comprises a pressure sensitive matrix layer providing 2D information on a location pressed by the passenger and wherein the passenger monitoring assembly is connected to the screen for receiving information from the pressure sensitive matrix layer.

5. The system according to claim 1, wherein the screen may be switched to a transparent mode.

6. The system according to claim 1, wherein the environment monitoring assembly comprises at least one camera.

7. The system according to claim 1, further comprising an output assembly adapted for outputting information provided by the information visualization assembly to an external passenger end device.

8. The system according to claim 7, wherein the output assembly is adapted to output information via at least one of WiFi, Bluetooth and Near-Field-Communication.

9. The system according to claim 1, wherein the system is further adapted to receive and display data from an in-flight entertainment system.

10. An aircraft comprising:

a plurality of aircraft cabin windows;

a display assembly integratable into one of the plurality of aircraft cabin windows and comprising:

a passenger monitoring assembly;

an environment monitoring assembly; and

an information visualization assembly;

wherein the display assembly is adapted to display variable images on a screen integrated in the aircraft cabin window;

wherein the passenger monitoring assembly is adapted to detect a direction in which a passenger is one of looking and pointing through the aircraft cabin window;

wherein the environment monitoring assembly is adapted to detect a representation of an environment outside the aircraft cabin window; and

wherein the information visualization assembly is adapted to visualize information on the screen at specific locations selected based on the representation

acquired by the environment monitoring assembly and the direction detected by the passenger monitoring assembly.

11. The aircraft according to claim 10, comprising

a plurality of the display assemblies, each being integrated into one of the plurality of aircraft cabin windows;

a plurality of passenger monitoring assemblies, each being installed in an aircraft cabin such as to monitor actions of a passenger sitting next to one of the plurality of aircraft cabin windows; and

two environment monitoring assemblies, each one environment monitoring assembly being installed such as to acquire a representation of an environment at one of both sides of the aircraft.

12. A method for interactive visualization of information in an aircraft cabin, the method comprising the steps of:

detecting a direction in which a passenger is one of looking and pointing through an aircraft cabin window of the aircraft cabin using a passenger monitoring assembly;

acquiring a representation of an environment outside the aircraft cabin window using an environment monitoring assembly; and

visualizing information on a screen integrated into the aircraft cabin window at specific locations selected based on the representation acquired by the environment monitoring assembly and the direction detected by the passenger monitoring assembly.

13. (canceled)

14. A non-transitory computer-readable medium including software instructions configured to cause a computing device to:

detect a direction in which a passenger is one of looking and pointing through an aircraft cabin window of an aircraft cabin using a passenger monitoring assembly;

acquire a representation of an environment outside the aircraft cabin window using an environment monitoring assembly; and

visualize information on a screen integrated into the aircraft cabin window at specific locations selected based on the representation acquired by the environment monitoring assembly and the direction detected by the passenger monitoring assembly.

15. The aircraft according to claim 10, wherein the information visualization assembly is adapted to visualize information on the screen with respect to objects to which the passenger is one of looking and pointing, respectively.

16. The aircraft according to claim 10, wherein the passenger monitoring assembly is adapted to track a direction in which the eyes of the passenger are directed.

17. The aircraft according to claim 10, wherein the screen comprises a pressure sensitive matrix layer providing 2D information on a location pressed by the passenger and wherein the passenger monitoring assembly is connected to the screen for receiving information from the pressure sensitive matrix layer.

18. The aircraft according to claim 10, wherein the screen may be switched to a transparent mode.

19. The aircraft according to claim 10, wherein the environment monitoring assembly comprises at least one camera.

20. The aircraft according to claim 10, further comprising an output assembly adapted for outputting information provided by the information visualization assembly to an external passenger end device.